RazorGage

Positioners • Software • Systems

AutoPusher Saw System

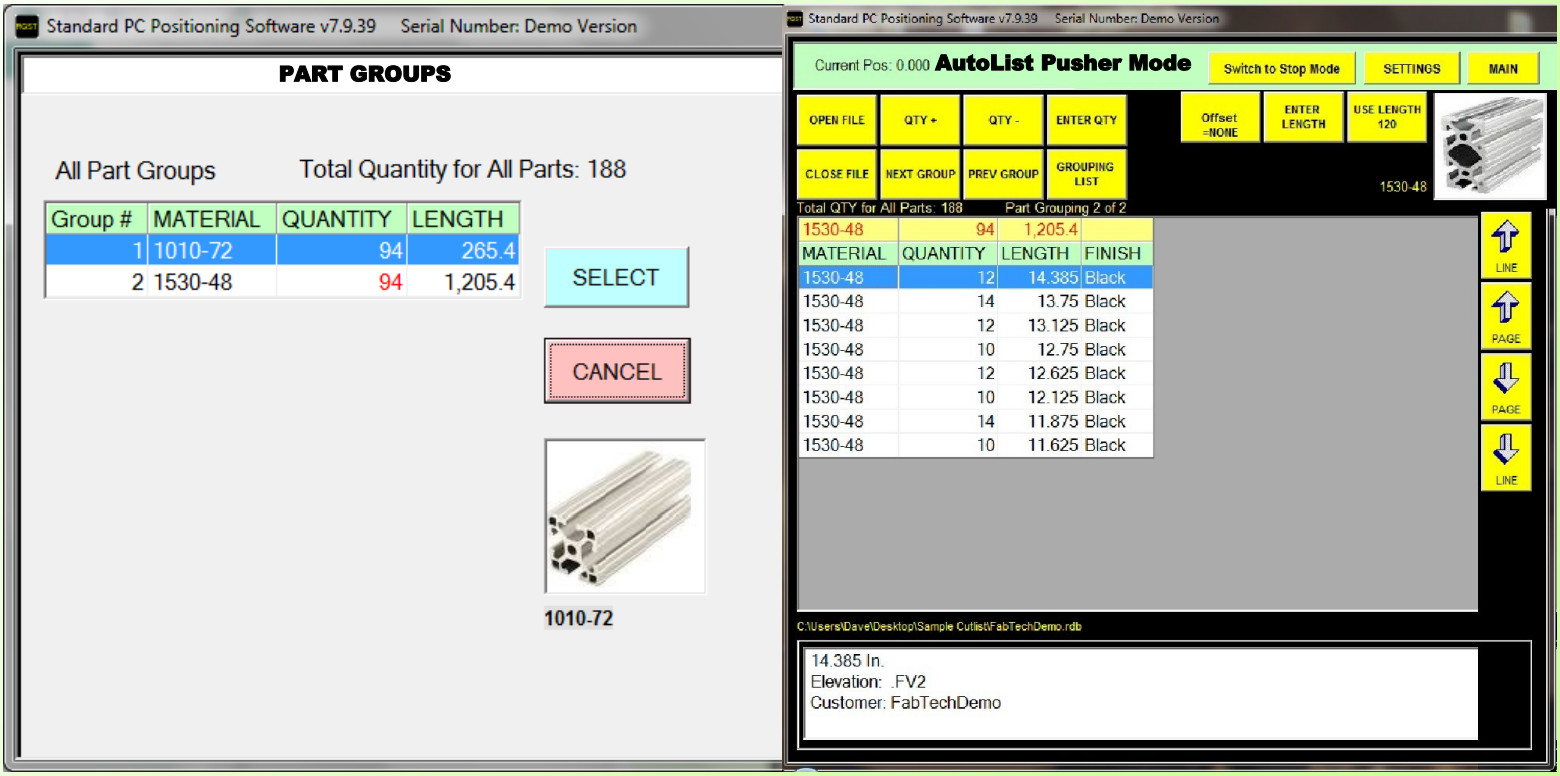
Proudly Made in Ames, Iowa, U.S.A.

www.razorgage.com

RazorGage Automatic Pusher System

- Download cutlists directly to the RazorGage PC via Ethernet, WiFi or USB drive.
- Optimize at the machine or run pre-optimized lists from most popular software.
- Optionally print paper labels or inkjet print directly on the parts.
- Sort cutlists right at the machine.
- Includes the revolutionary Cyclone Upcut Saw made in America by RazorGage.
- Select solid PVC over steel table top, PVC rollers or steel rollers.
- RazorGage solid state PC - running Windows 8.1Pro
- Includes 21” Color LCD Multi-Touch Screen .
- Optional articulated pusher mounted gripper.
- Aluminum cutting option includes Dual Mist Blade Lubricator. Front to back adjustable top clamp accessory also available.

AutoList Package includes Parts List Processor cut list management software allowing you to map nearly any comma, semi-colon, or tab separated text file for downloading to the RazorGage. Cutlists from your design software can be merged, edited, or simply sent directly to the machine. You can even send different parts to different machines automatically! Once at the machine parts are sorted into groups for your operator to select. Pre-optimized cutlists are grouped according to bar number. As parts are cut their quantity is automatically decremented and are crossed off the list when their quantity reaches zero. The Qty+ button allows the operator to easily bring a part back alive or to simply adjust the quantity. The operator simply enters the length of clear material available and the AutoList finds the optimal cutting solution. Press GO, stand back, and watch the magic. Precision cut parts will begin queuing up on the outfeed table in no time flat! .



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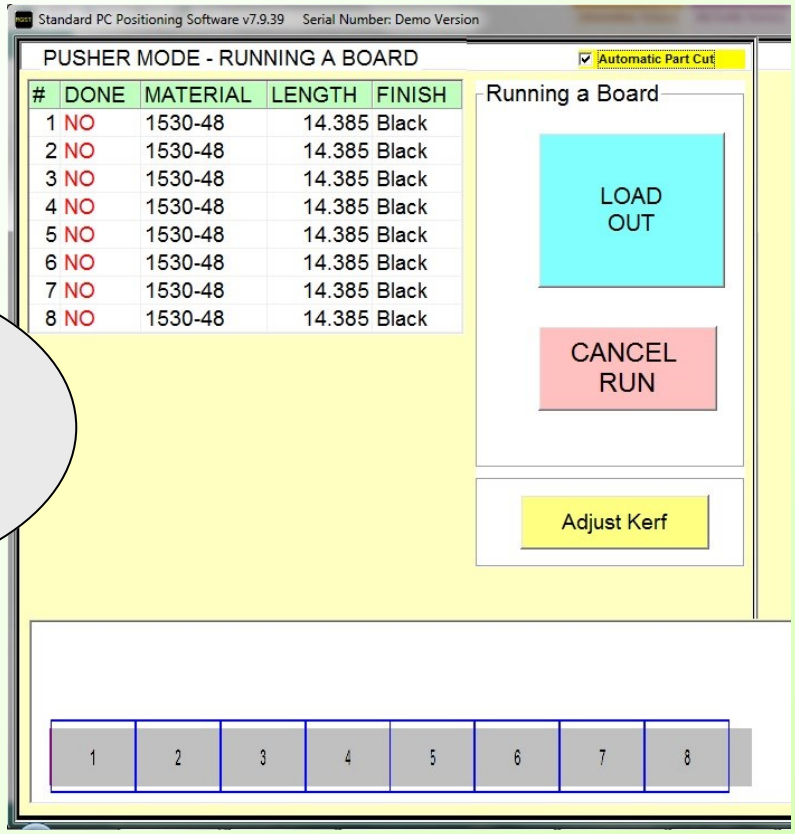
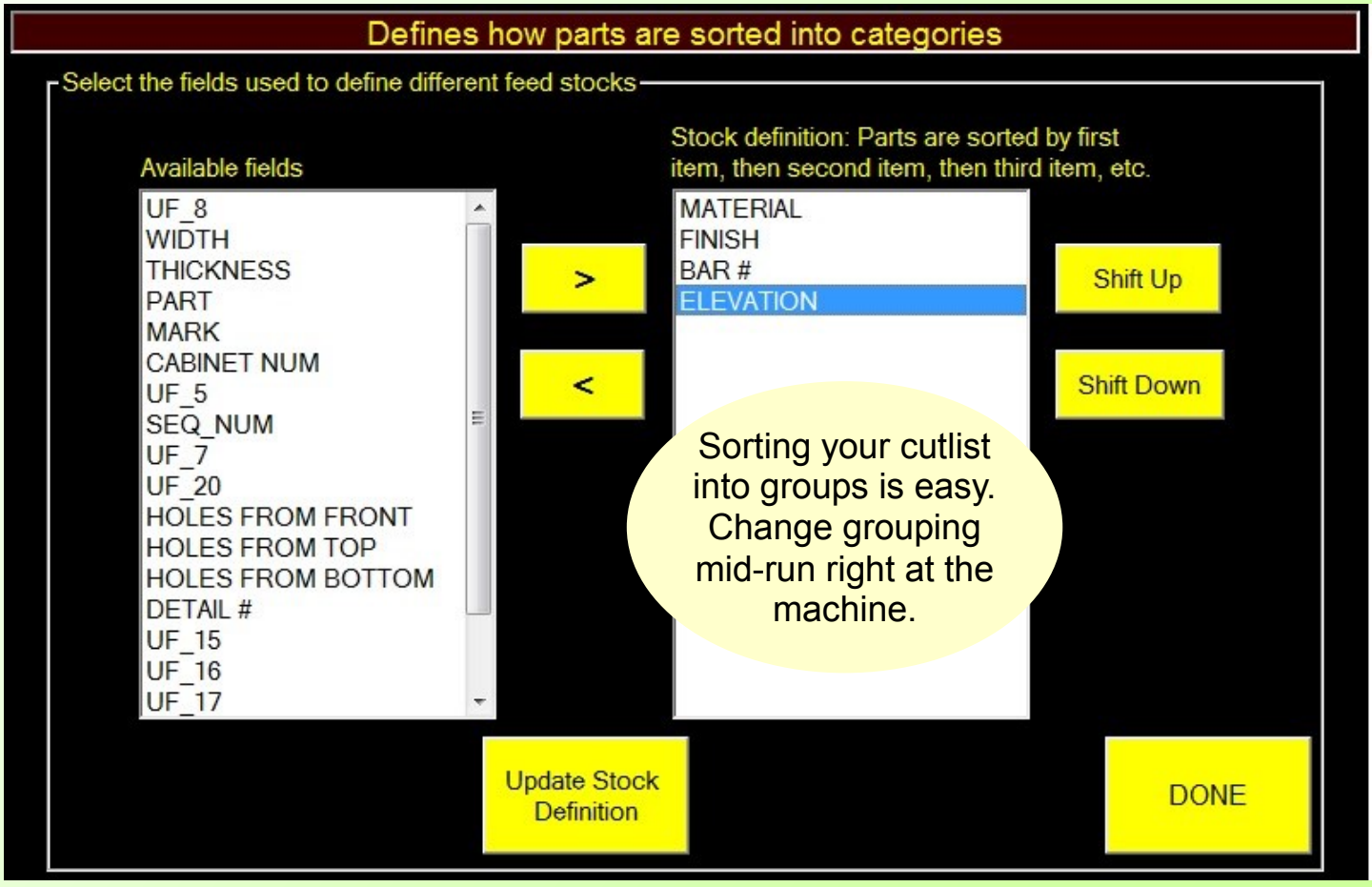


Be up and running in no time. Software is intuitive and setup & training are included.



Sorting your cutlist into groups is easy. Change grouping mid-run right at the machine.

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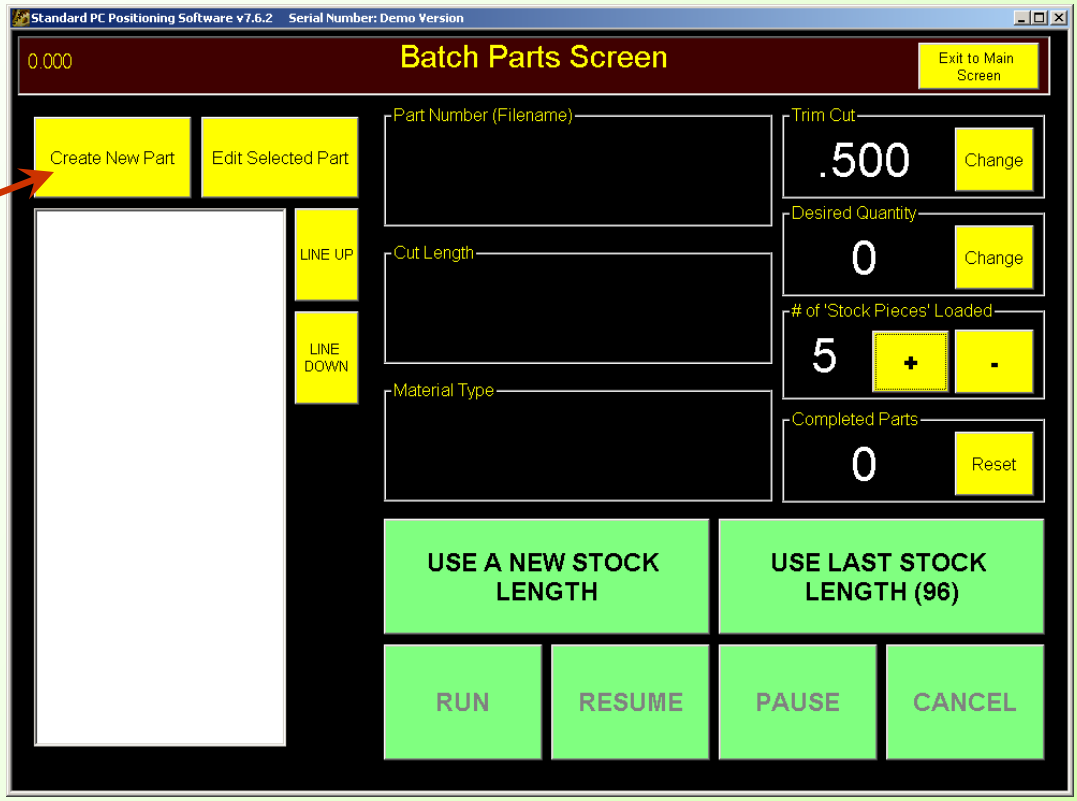
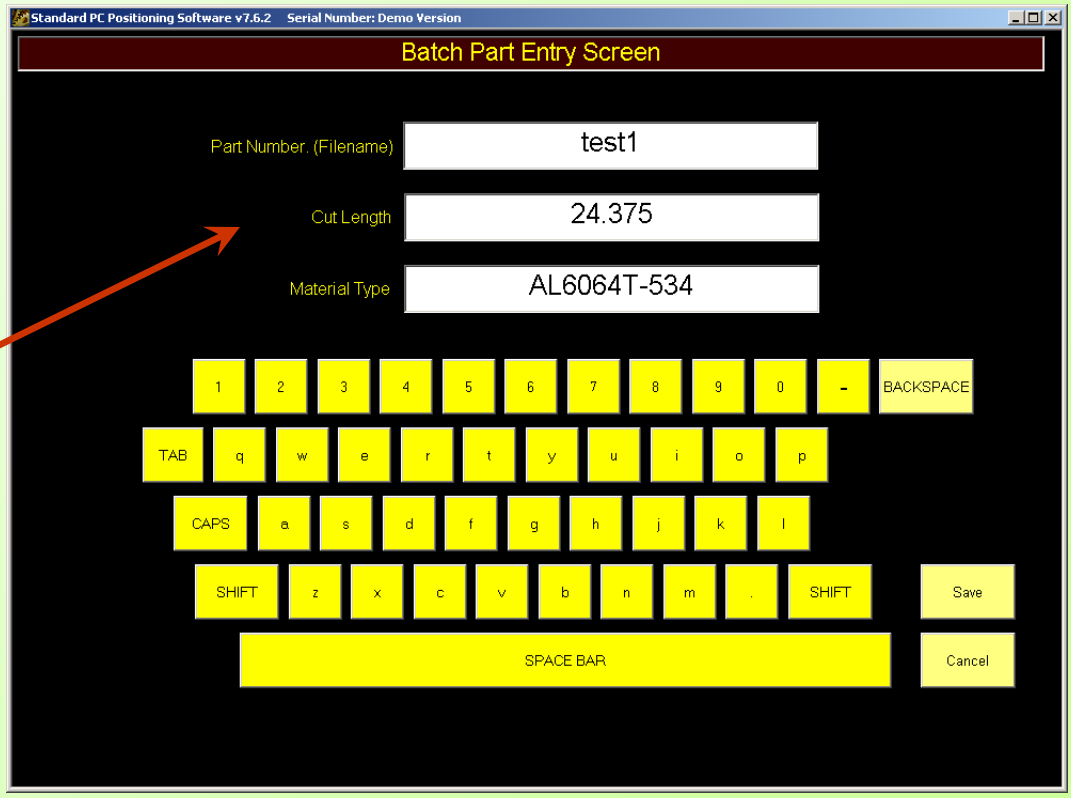
The Batch Screen is included with the Standard PC RazorGage software at no additional charge. It allows the operator to enter and save production runs as quick as can be. With the RazorGage Batch Screen you can define a run by a Part Number, Material Type & Part Length. Leading edge trim cuts, run quantity, number of sticks per run, and stock length can be changed independently of the saved run definition if needed.

To add a part/material configuration click CREATE NEW PART.



Enter a name for the part / material configuration, the length of the parts you want to cut, and the material designation that will tell the operator what kind of stock to use. Then press Save.



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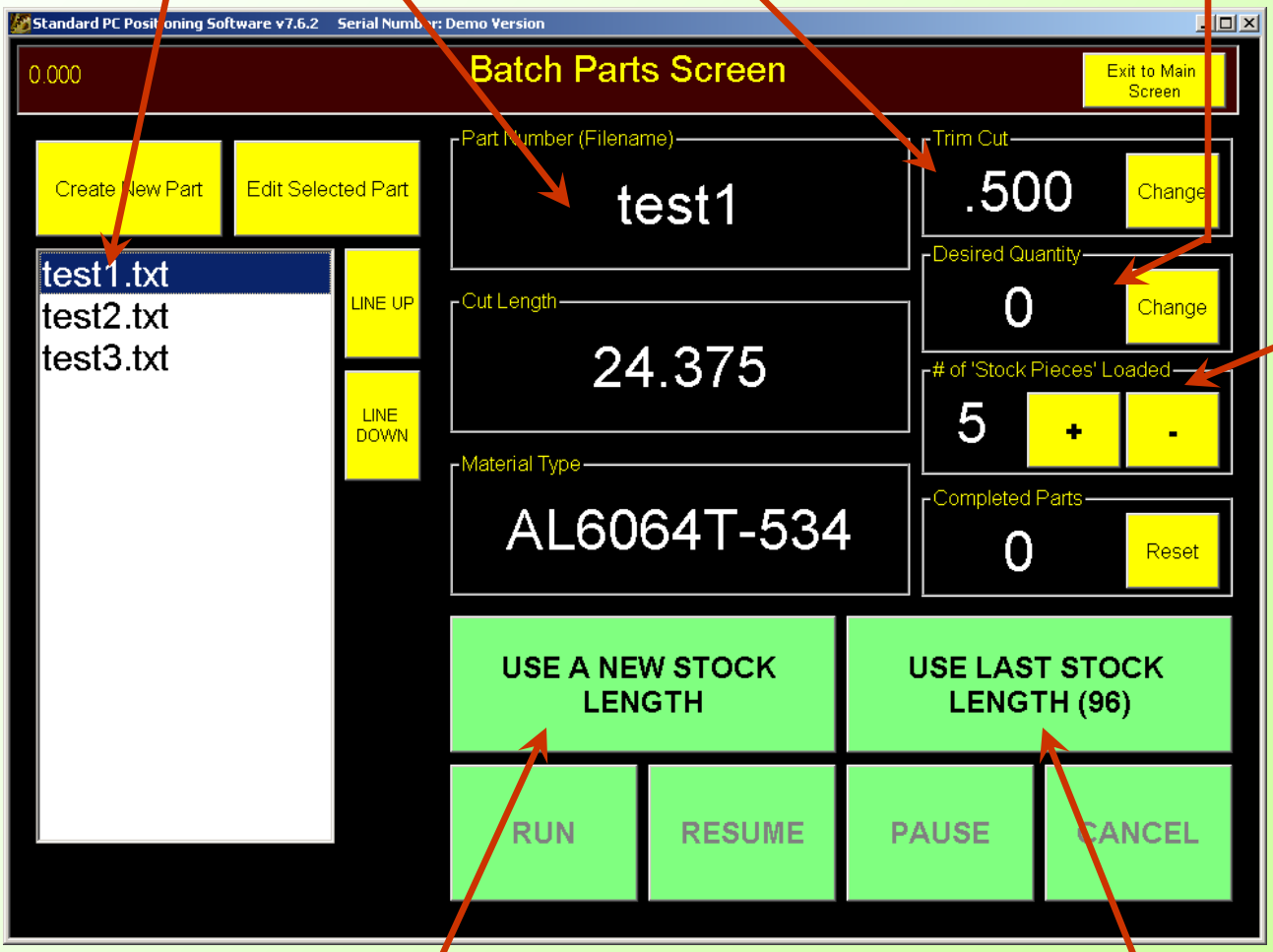
Once you have entered your part lengths and material types they will appear in the white box at the left of the Batch Parts Screen. Choose a part to bring up that part's information as shown below.

Enter the leading edge trim cut length here. This is a global variable that will stay constant regardless of which part you choose. It may be changed at any time by pressing the CHANGE button.

Press the + or - button to change the number of stock pieces you are going to push. This will enable the software to keep a count of how many finished pieces you've cut.

Enter the desired quantity for the current run here by pressing the CHANGE button.



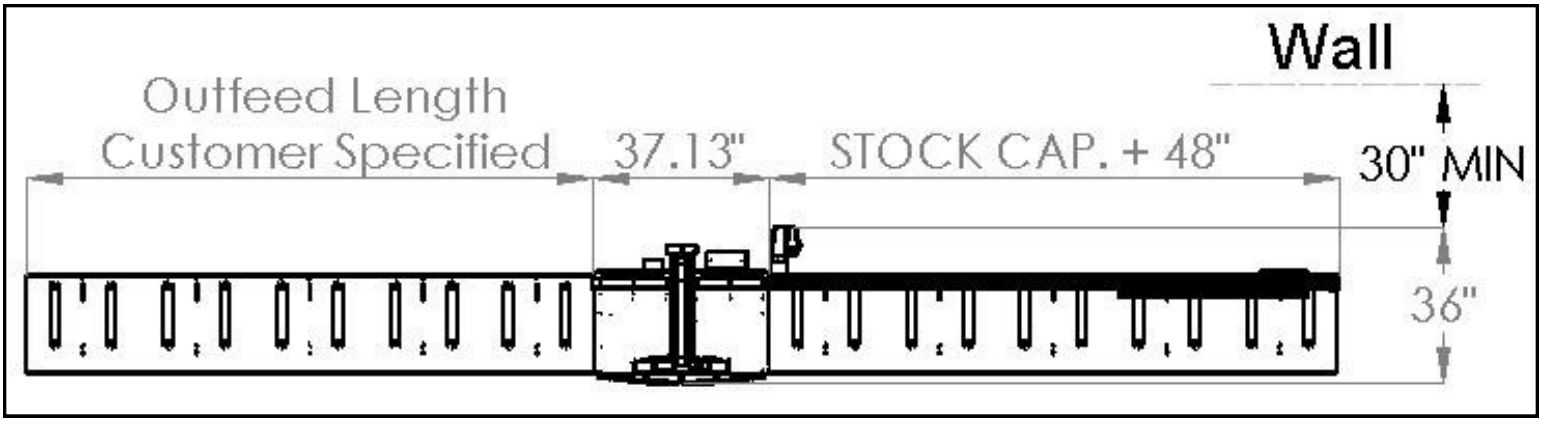
Press the USE A NEW STOCK LENGTH to tell the RazorGage how long of a piece you will be introducing to the machine.

Press the USE LAST STOCK LENGTH to tell the machine that you will be feeding the same size stock that you had previously entered.

Specifications

Motor Specs	7.5 hp (enclosed fan cooled) available in 208-230-460Vac 3-phase
Power Source	230 VAC, 3 phase, 30 Amps 460 VAC, 3 phase, 20 Amps
Exhaust Port	Two 4" diameter (102 mm) requiring 600 cfm (17 m^3) minimum for dry light materials. Other material may need higher velocity/pressure
Compressed Air	Requires 80 psi (5.5 bar) at 5 cfm (0.14 m^3) air filtered to 2.5 microns (oil and moisture free). Use industrial air dryer, rated for cfm (CM) flow. No lubrication required for air components. Air must be lubricant free.
Motor RPM	Adjustable up to 3450
Arbor	1.000 inch
500 mm Blade for Wood	500mm x 120T x 1" Bore x 23°ATB/5°ASF x Plate .128 x Kerf .172
500mm Blade for Aluminum	O/D 500mm or 19.68" x Kerf 3.5mm or .137" x Plate 3.0mm or .118" x Bore 25.4mm or 1.00" x Teeth 140 D Type Tip Grade Sash Pro X Expansion Slots Five.
24" Blade for Wood	24" Dia. x 144T x 1" Bore x 23°ATB/5°ASF x Hook 22° Plate.138 x Kerf.186
24" Blade for Aluminum	24" Dia. x 200 Teeth x 1" Bore x TCG x Hook 6° Plate.138 x Kerf.174

Material Thickness	Cyclone 600 Width Capacity for Common Blade Diameters					
	14" Blade	16" Blade	18" Blade	500mm Blade	22" Blade	24" Blade
0.5	6.97	10.38	13.23	15.42	18.27	20.62
0.75	6.04	9.77	12.76	15.02	17.93	20.32
1	4.89	9.10	12.25	14.59	17.57	20.00
1.25	3.32	8.35	11.70	14.13	17.19	19.67
1.5		7.49	11.10	13.64	16.79	19.32
1.75		6.49	10.44	13.11	16.36	18.95
2		5.25	9.72	12.54	15.90	18.55
2.25		3.56	8.91	11.92	15.42	18.14
2.5			7.98	11.24	14.90	17.70
2.75			6.90	10.50	14.35	17.24
3			5.58	9.68	13.75	16.74
3.25			3.78	8.75	13.11	16.22
3.5				7.68	12.42	15.67
3.75				6.40	11.67	15.08
4				4.75	10.84	14.45
4.25				1.99	9.92	13.77
4.5					8.88	13.03
4.75					7.68	12.24
5					6.20	11.37
5.25					4.20	10.40
5.5						9.30
5.75						8.03
6						6.49



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